Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently amended) A base insert device for making cross bottoms on cross bottom valve paper bags, comprising:

folding devices that make folds at ends of tube sections from which the bags are produced to make a folded bottom;

one or more gluing stations configured to apply a starch glue to at least one of areas of the folds to be glued and labels provided with the bottom for gluing, the gluing stations including glue outlets which can be fed selectively such that a format of the applied glue is defined by selection of the glue outlets, and at least one application head to which the glue outlets are assigned; and

at least one press compaction deck in which the folded bottoms and the labels are brought into contact with each other and glued,

the application head having mounted thereon a valve which can selectively open and shut a connection between the glue outlets and a glue feed, and

the glue feed including (i) at least one chamber through which at least one part of the valves is fed with the glue and which has a diameter of at least 5 mm in at least one place, and (ii) at least one glue supplying line which extends to the application head, the glue supplying line engaging into the chamber and the application head being displaceable along the glue supplying line in a direction y extending perpendicular to a transport direction x of the bag and in a plane parallel to a plane in which the bag lies during transport so as to enable the glue outlets to apply the glue to all regions in the y direction of the areas to be glued.

2. (Previously presented) The base insert device according to claim 1 wherein the chamber has a diameter of at least 7 mm.

3. (Previously presented) The base insert device according to claim 2 wherein the chamber has a diameter of at least 10 mm.

4. (Previously presented) The base insert device according to claim 3 wherein the chamber has a diameter of at least 15 mm.

5. (Previously presented) The base insert device according to claim 1 wherein the chamber is provided in the application head or directly on the application head.

6. (Previously presented) The base insert device according to claim 1 wherein the chamber extends linearly in a spatial direction perpendicular to the transport direction of the bag.

7. (Previously presented) The base insert device according to claim 1 wherein at least two of the valves which are supplied with the glue from the chamber are arranged in an overlapping manner relative to a spatial direction that extends perpendicular to the transport direction of the bag.

8. (Currently amended) The base insert device according to claim 1 wherein a sum of dimensions of the valves in ~~a~~ the spatial direction ~~(y)~~ y perpendicular to the bag transport direction ~~(x)~~ x is larger than a length of the chamber in the spatial direction ~~(y)~~ y, with all of the valves being supplied with the glue from the chamber.

9. (Previously presented) The base insert device according to claim 1 wherein a volume of the chamber has a ratio of at least 1.5 to a volume sum of all of the glue connections to and from the valves which are supplied with the glue from the chamber.

10. (Previously presented) The base insert device according to claim 1 wherein the gluing station includes a plurality of

chambers such that every chamber supplies one part of the valves in each case with the glue.

11. (Previously presented) The base insert device according to claim 1 wherein the chamber has a rectangular cross-section.

12. (Previously presented) The base insert device according to claim 1 wherein the chamber has a circular cross-section.

13. (Previously presented) The base insert device according to claim 1 wherein the chamber is a borehole that is inserted into the application head.

14-15. (Canceled)

16. (Previously presented) The base insert device according to claim 14 wherein the glue supplying line has a cross-sectional area which is smaller than a cross-sectional area of the chamber.

17. (Previously presented) The base insert device according to claim 16 wherein the glue supplying line cross-sectional area is smaller than the chamber cross-sectional area by at least 40 mm^2.

18. (Withdrawn) A bag insert device for making cross bottom valve paper bags, comprising:

folding devices that make folds at ends of tube sections from which the bags are produced so as to make a folded bottom;

one or more gluing stations that apply a glue to areas of the folds to be glued and/or to labels provided with the bottom for gluing;

at least one press compaction deck in which the folded bottoms and the labels are brought into contact with each other and glued;

at least one glue deck provided for the labels and/or bottoms, the glue deck being equipped with glue outlets which can be fed selectively, such that through selection of the glue outlets a format of the glue that is applied can be defined; and

at least one application head to which the glue outlets are assigned, the application head having mounted thereon a valve which can selectively open and shut a connection between the glue outlets and a glue feed, the glue feed including at least one conduit which extends up to the application head, and at least one chamber through which at least one part of the valves is fed with the glue, the chamber having a circular cross-section with a diameter of at least 5 mm in at least one place or a rectangular cross-section configured to accommodate the cross-section with the diameter of at least 5 mm in at least one place.

19. (Withdrawn) The bag insert device according to claim 18, wherein the chamber is configured to feed a starch glue.

20. (Withdrawn) The bag insert device according to claim 18, wherein the glue is a starch glue.

21. (Currently amended) A base insert device for making cross bottoms on cross bottom valve paper bags, comprising:

folding devices that make folds at ends of tube sections from which the bags are produced to make a folded bottom;

one or more gluing stations configured to apply a starch glue to at least one of areas of the folds to be glued and labels provided with the bottom for gluing, the gluing stations including glue outlets which can be fed selectively such that a format of the applied glue is defined by selection of the glue outlets, and a plurality of application heads to which the glue outlets are assigned; and

at least one press compaction deck in which the folded bottoms and the labels are brought into contact with each other and glued,

the application heads having mounted thereon a valve which can selectively open and shut a connection between the glue outlets and a glue feed, and

the glue feed including (i) at least one chamber through which at least one part of the valves is fed with the glue and which has a diameter of at least 5 mm in at least one place, and (ii) at least one glue supplying line which engages into the

chamber and extends through the application heads, the application heads being movable relative to each other along the glue supplying line in a direction y that is perpendicular to a transport direction x of the bag and in a plane that is parallel to a plane in which the bag lies during transport so as to enable the glue outlets to apply the glue to all regions in the y direction of the areas to be glued.

22. (Previously presented) The base insert device according to claim 21, wherein the glue supplying line includes boreholes or openings in a region of each of the application heads.

23. (Previously presented) The base insert device according to claim 21, wherein the chamber is a borehole that is provided in each of the application heads.

24. (Previously presented) The base insert device according to claim 21, wherein the chamber is provided in each of the application heads or directly on each of the application heads.

25. (Previously presented) The base insert device according to claim 21, wherein the chamber extends linearly in a spatial direction perpendicular to the transport direction of the bag.